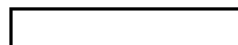
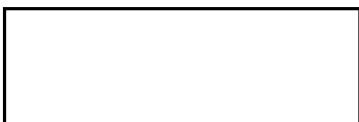


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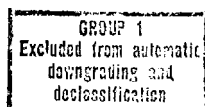
MEMORANDUM FOR: Deputy Director for Science and Technology
SUBJECT: Contractual Services for Programming Support

1. This memorandum contains a recommendation for the approval of the Deputy Director for Science and Technology. Such recommendation is contained in paragraph 8.

2. In order to comply with a recent request of the NRO staff [redacted] to develop a camera payload program in support of future CORONA Satellite Vehicles, additional programming talent is required in the Automation Division, Field Activities. This computerized payload program is required to replace the present very time consuming manual program in order to reduce the reaction time between camera program selection and launch time of the CORONA vehicles. The intent of the NRO staff is to reduce this time from launch minus twenty-one days to launch minus eight days in September 1965, and ultimately to launch minus three days. Only through a completely computerized camera selection program will this time reduction be possible.

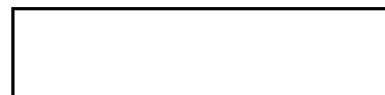
3. Preliminary analysis of the problems involved in promulgating a workable computer program indicates a programming effort in the realm of sixteen man-months. To complete the over-all camera selection program will involve an additional twelve man-months programming effort. This total of twenty-eight man-months programming effort is predicated on using two individuals, who are completely qualified in the field of orbital mechanics as well as experienced IBM 7090 computer programmers. Any compromise of either ability will measurably increase the time factor for completion of either the first workable camera selection program or the ultimate program.

4. Our previous experience coupled with recent actions on the part of the Office of Computer Services staff indicate there are no personnel either available to OSA for extended duty with the Automation Division or possessing the required experience



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NRO review(s) completed.



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and background in orbital mechanics. If the task for the NRO staff is to be successfully accomplished the two programmers must be acquired through contractual service channels. Preliminary discussions with CORONA cleared management personnel of the Advanced Space Projects Division, General Electric, Valley Forge, Pennsylvania, indicate availability of two highly qualified engineer/programmers for assignment to OSA on a yearly contractual basis.

5. The two programmers presently assigned to the Satellite Section of the Automation Division are utilized full time for computer programming support of the NRO staff and the Special Projects Staff, DD/S&T. If this support is to continue, the additional programming tasks enumerated in paragraph two above must be satisfied by assignment of two more programmers. This procedure appears highly desirable when weighing the cost of personnel vs the strengthening of the Agency and OSA position in the activities of the CORONA project.

6. The estimated cost of contractual services for two hand-picked, completely Agency cleared personnel is approximately [redacted]. This figure includes wages, employee benefits, administrative overhead, dislocation costs, and profit fee. Personnel will move to the Washington area and will work full time in the Automation Division, OSA. Agency computer equipment will be utilized. The Chief, Automation Division will be technical program monitor.

7. Funds to cover this contractual service must be made available in the FY'66 OSA Budget. Funds are available in the present budget to cover the period April through June 1965.

8. Recommend authority be granted to develop and execute a covert contract with the Advanced Space Projects Division, General Electric, for the required personnel. This contract will be consummated through normal contracting channels within OSA.

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[redacted]
for JACK C. LEDFORD
Colonel USAF
Assistant Director
(Special Activities)

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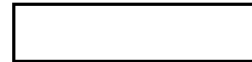
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The recommendation contained
in paragraph 8 is approved.

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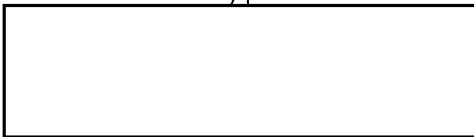


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Deputy Director for Science and Technology

CONCUR:

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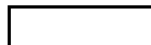
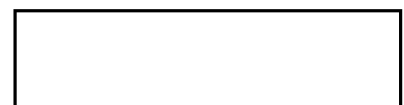
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*Concur in stated requirements, however, funding subject to contract
negotiation and not to exceed



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